WHAT IS CLAIMED IS:

1. A guide wire comprising:

a first wire disposed on the distal side of said guide wire, said first wire being made from a reshapable material; and

a second wire disposed on the proximal side from said first wire, said second wire being made from a pseudo-elastic alloy;

wherein said first wire and said second wire are joined to each other by welding.

2. A guide wire according to claim 1, further comprising:

a third wire disposed on the proximal side from said second wire, said third wire being made from a material having an elastic modulus larger than an elastic modulus of the material for forming said second wire;

wherein said second wire and said third wire are joined to each other by welding.

3. A guide wire according to claim 1, wherein each of outer diameters of said first wire and said second wire is gradually reduced in the direction toward the distal end in

a region extending from a position on the proximal side from a welded portion between said first wire and said second wire to a position on the distal side from said welded portion across said welded portion.

4. A guide wire according to claim 1, wherein said first wire has a small cross-sectional area portion having a cross-sectional area smaller than a cross-sectional area of a distal end portion of said second wire in the vicinity of a welded portion between said first wire and said second wire.

5. A guide wire according to claim 1, further comprising:

an overlapping portion in which a proximal end portion of said first wire and a distal end portion of said second wire are overlapped to each other in the axial direction of said first and second wires;

wherein said first wire and said second wire are welded to each other in said overlapping portion.

6. A guide wire according to claim 1, further comprising:

a rigidity imparting member for increasing a flexural

rigidity of the vicinity of a distal end portion of said second wire in the vicinity of the proximal side of a welded portion between said first wire and said second wire covering the outer periphery of said second wire.

7. A guide wire comprising:

a distal side wire disposed on the distal side of said guide wire, said distal side wire being made from a reshapable metal material;

an intermediate wire disposed on the proximal side from said distal side wire, at least an outer layer of said intermediate wire being made from a pseudo-elastic alloy; and

a proximal side wire disposed on the proximal side from said intermediate wire, said proximal side wire being made from a material having an elastic modulus larger than an elastic modulus of said pseudo-elastic alloy.

8. A guide wire according to claim 7, wherein said intermediate wire and said proximal side wire are joined to each other by welding.

9. A guide wire comprising:

a first wire including a tubular wire disposed on the

distal side of said guide wire and a core member provided so as to pass through said tubular wire, said core member being made from a material having an elastic modulus larger than an elastic modulus of a material for forming said tubular wire; and

a second wire integrally connected to the proximal side of said first wire, said second wire being made from a material having an elastic modulus larger than the elastic modulus of the material for forming said tubular wire.

10. A guide wire according to claim 9, wherein said core member is exposed at a distal end portion of said first wire.

11. A guide wire according to claim 9, wherein letting a maximum outer diameter of said tubular wire be R_1 (mm) and an average outer diameter of said core member be R_2 (mm), a ratio of R_2/R_1 is in a range of 0.01 to 0.5.